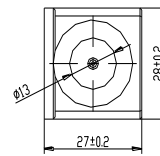
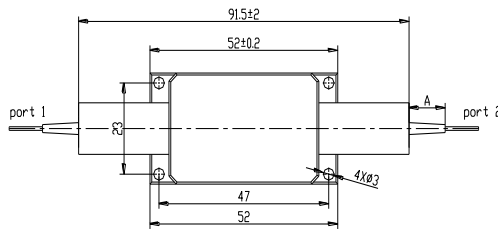


High Power PM Optical Isolator 850nm

The 850nm High Power Polarization Maintaining (PM) Optical Fiber Isolator is an in-line micro-optic component allows light to be transmitted only in the forward direction while blocking the backward transmission. It's built with PM Panda fiber and designed to maintain the polarization of the input light with high extinction ratio. The PM isolators are commonly used to protect lasers or amplifiers against back-reflected light. High power up to 10W available upon request.



Features

- High Isolation
- High Extinction Ratio
- High Reliability & Stability
- High Power Handling

Applications

- Fiber Amplifier
- Fiber Laser
- Fiber Sensor
- Lab & Research

Performance Specification

Parameter	Value	Unit
Center Wavelength	850 or customized	nm
Bandwidth	±10	nm
Typ. Peak Isolation	32	dB
Min. Isolation at 23°C	25	dB
Typ. Insertion Loss at 23°C	0.8	dB
Max. Insertion Loss at -5 to 50°C	1.2	dB
Min. Extinction Ratio for Fast Axis Blocked Type	22	dB
Min. Extinction Ratio for Both Axis Working Type	20	dB
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	1, 3, 5, 10W	W
Max. Tensile Load	5	N
Fiber Type	PM 850 Panda Fiber	
Operating Temperature	-5 to +50	°C
Storage Temperature	-20 to +85	°C
Package Dimension		mm

Note

* Connectors only CW 1W handling power guarantee. Specifications may change without notice.

* The PM fiber and the connector key are aligned to the slow axis.

Ordering Information

HPMI-AAA-B-CC-DD-E-FF

AAA	B	CC	DD	E	FF
Wavelength	Fiber Jacket	Fiber Length	Connector	Working Axis	Power
830 - 830nm	B - 250um Bare	05 - 0.5m	NE - None	F - Fast Axis	01 - 1W
850 - 850nm	Fiber	08 - 0.8m	SS - Specify	Blocked	02 - 2W
SSS - Specify	L - 900um Loose Tube	10 - 1.0m		B - Both Axis Operating	03 - 3W
		15 - 1.5m			05 - 5W
		SS - Specify			10 - 10W
					SS - Specify